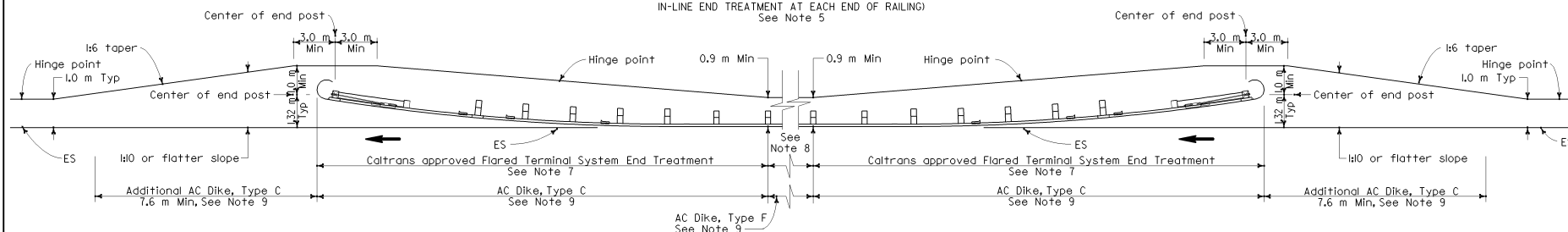


TYPE IID LAYOUT

(EMBANKMENT GUARD RAILING INSTALLATION WITH
IN-LINE END TREATMENT AT EACH END OF RAILING)
See Note 5



TYPE IIE LAYOUT

(EMBANKMENT GUARD RAILING INSTALLATION WITH
FLARED END TREATMENT AT EACH END OF RAILING)
See Note 5

NOTES

- Line post, blocks and hardware to be used are shown on Standard Plans A77A1, A77A2, A77B1, A77C1 and A77C2.
- Guard rail post spacing to be 1905 mm center to center, except as otherwise noted.
- Except as noted, line posts are 150 mm x 200 mm x 1.83 m wood with 150 mm x 200 mm x 360 mm wood blocks, MW 150 x 14 steel posts, 1.83 m in length, with 150 mm x 200 mm x 360 mm notched wood blocks or plastic blocks may be used for 150 mm x 200 mm x 1.83 m wood post with 150 mm x 200 mm x 360 mm wood blocks where applicable and when specified.
- Direction of adjacent traffic indicated by .
- Layout Types 11D through 11L, shown on the A77E Series of Standard Plans, are typically used where guard railing is recommended to shield embankment slopes and a crashworthy end treatment is required for both directions of traffic. See Railing Case 6 in Diagram No. 5 on Standard Plan A77D1.
- In-line Terminal System End Treatments are used where site conditions will not accommodate a flared end treatment.
- The type of terminal system end treatment to be used will be shown on the Project Plans.
- Dependent on site conditions (embankment height and side slope), construction of additional guard railing (length equal to multiples of 3.8 m with 1.9 m post spacing) may be advisable.
- Where placement of dike is required with guard railing installations, see Standard Plan A77C4 for dike positioning details.

METAL BEAM GUARD RAILING TYPICAL LAYOUTS FOR EMBANKMENTS

NO SCALE
ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

A77E2